

IN THE CLAIMS

Claim 1 (Currently Amended): A transparent substrate coated with a stack of layers consisting essentially of, in succession starting from the transparent substrate:

- a) a first layer of dielectric material;
- b) a first absorbent layer;
- c) a first infrared reflective layer;
- d) optionally a sacrificial barrier layer;
- e) an intermediate layer;
- f) optionally a metal layer;
- g) a last infrared reflective layer;
- h) ~~optionally a sacrificial barrier layer a last absorbent layer;~~
- i) ~~a last absorbent layer optionally a sacrificial barrier layer;~~ and
- j) a last layer of dielectric material;

wherein when the transparent substrate is a 6 mm clear soda-lime glass, a light absorption value of the coated transparent substrate is between 35 and 67%, a colorimetric index a* of a reflected colour, with respect to the clear soda-lime glass, is between 0 and -10, and a colorimetric index b* of a reflected colour, with respect to the clear soda-lime glass is between 0 and -20, and

wherein the absorbent layers comprise a material selected from the group consisting of titanium, zirconium, stainless steel, niobium, zinc, chromium, nickel, an alloy of these metals and nitrides thereof.

Claims 2-17 (Canceled).

Claim 18 (Currently Amended): The transparent coated substrate according to claim 1, wherein the transparent coated substrate comprises at least one feature selected from the group consisting of (A), (B), (C) and (D):

(A) at least one sacrificial layer disposed between an infrared reflective layer and a following layer of dielectric material;

(B) the dielectric layers comprise one or more compounds selected from the group consisting of aluminium oxide (AlO_x), aluminium nitride (AlN_x), aluminium oxynitride (AlN_xO_y), magnesium oxide (MgO_x), niobium oxide (NbO_x), silicon dioxide (SiO_x), silicon nitride (SiN_x), titanium dioxide (TiO_x), bismuth oxide (BiO_x), yttrium oxide (YO_x), tin oxide (SnO_x), tantalum oxide (TaO_x), zinc oxide (ZnO_x), zirconium oxide (ZrO_x), zinc stannate (ZnSn_xO_y) and zinc sulphide (ZnS_x);

(C) at least one infrared reflective layer comprises silver or an alloy of silver with other metals; and

(D) the absorbent layers comprise a material having a spectral absorption index at a wavelength of 580 nm (k_{580}) higher than 0.8; ~~or comprise a material selected from the group consisting of titanium, zirconium, stainless steel, niobium, zinc, chromium, nickel, an alloy of these metals and nitrides thereof.~~

Claim 19 (Previously Presented): The transparent coated substrate according to claim 18, which comprises at least two of the features (A) through (D).

Claim 20 (Previously Presented): The transparent coated substrate according to claim 18 which comprises at least three of the features (A) through (D).

Claim 21 (Previously Presented): The transparent coated substrate according to claim 18, which comprises all of the features (A) through (D).

Claim 22 (Previously Presented): The transparent coated substrate according to claim 1, wherein the coated transparent substrate comprises at least one feature selected from the group consisting of (E), (F), (G) and (H):

(E) a light transmission of the coated transparent substrate, is between 25 and 60%,

(F) a light reflection with respect to the coated layer side (LR_c) of the coated transparent substrate is less than 30%,

(G) a light reflection with respect to the non coated side (LR_v) of the coated transparent substrate is lower than 30%,

(H) a total thickness of the infrared reflective layers is greater than 10 nm.

Claim 23 (Previously Presented): The transparent coated substrate according to claim 22 which comprises at least two of the features (E) through (H).

Claim 24 (Previously Presented): The transparent coated substrate according to claim 22 which comprises at least three of the features (E) through (H).

Claim 25 (Previously Presented): The transparent coated substrate according to claim 22 which comprises all of the features (E) through (H).

Claim 26 (Previously Presented): The transparent coated substrate according to claim 1, wherein the colorimetric index a^* is between -1 and -8; and the colorimetric index b^* is between -1 and -15.

Claim 27 (Canceled).

Claim 28 (Previously Presented): The transparent coated substrate according to claim 1, wherein the intermediate layer comprises a sequence of layers as follows:

- a) a first dielectric layer,
- b) an infrared reflective layer, and
- c) a second layer of dielectric material.

Claim 29 (Previously Presented): A glazing comprising the coated transparent substrate according to claim 1, wherein a solar factor of the glazing is less than 35%.

Claim 30 (Previously Presented): The glazing according to claim 29 which has a selectivity (LT/SF) higher than 1.3.

Claim 31 (Previously Presented): The glazing according to claim 29, wherein a colorimetric index a^* of reflected colour with respect to the outside is between 0 and -10, and a colorimetric index b^* of reflected colour with respect to the outside is between 0 and -20.

Claim 32 (Previously Presented): The glazing according to claim 29, wherein
a light transmission is between 30 and 55%,
a light reflection, with respect to the non coated side, is between 8 and 25%,
a colorimetric index a^* with respect to a non coated side, is between 0 and -8 and
a colorimetric index b^* with respect to a non coated side, is between 0 and -20.

Claim 33 (Previously Presented): The transparent coated substrate according to claim 1, wherein the last infrared reflective layer is in direct contact with the last absorbent layer.

Claim 34 (Previously Presented): The transparent coated substrate according to claim 1, wherein the light absorption value of the transparent coated substrate is between 39 and 55%, the colorimetric index a^* of reflected colour is between -1 and -8, and the colorimetric index b^* of reflected color is between -1 and -10.

Claim 35 (Previously Presented): The transparent coated substrate according to claim 22, wherein the transparent substrate comprises at least one feature selected from the group consisting of (E), (F), (G) and (H):

- (E) a light transmission of the coated transparent substrate, is between 30 and 55%,
- (F) a light reflection with respect to the coated layer side (LR_c) of the coated transparent substrate is between 10 and 20%,
- (G) a light reflection with respect to the non coated side (LR_v) of the coated transparent substrate is between 10 and 18%,
- (H) a total thickness of the infrared reflective layers is between 18 and 35 nm.

Claim 36 (Previously Presented): The transparent coated substrate according to claim 1, wherein the first absorbent layer has a thickness of between 4 and 12 nm.

Claim 37 (New): The transparent coated substrate according to claim 1, wherein the last absorbent layer has a thickness of at least 3 nm.

Claim 38 (New): A transparent substrate coated with a stack of layers consisting essentially of, in succession starting from the transparent substrate:

- a) a first layer of dielectric material;
- b) a first absorbent layer;
- c) a first infrared reflective layer;
- d) optionally a sacrificial barrier layer;
- e) an intermediate layer;
- f) optionally a metal layer;
- g) a last infrared reflective layer;
- h) a last absorbent layer;
- i) optionally a sacrificial barrier layer; and
- j) a last layer of dielectric material;

wherein the absorbent layers comprise a material selected from the group consisting of titanium, zirconium, stainless steel, niobium, zinc, chromium, nickel, an alloy of these metals and nitrides thereof.

Claim 39 (New): The transparent coated substrate according to claim 38, wherein the last absorbent layer has a thickness of at least 3 nm.

Claim 40 (New): The transparent coated substrate according to claim 39, wherein when the transparent substrate is a 6 mm clear soda-lime glass, a light absorption value of the coated transparent substrate is between 35 and 67%, a colorimetric index a^* of a reflected colour, with respect to the clear soda-lime glass, is between 0 and -10, and a colorimetric index b^* of a reflected colour, with respect to the clear soda-lime glass is between 0 and -20.

Claim 41 (New): The transparent coated substrate according to claim 39, wherein the first absorbent layer has a thickness of between 4 and 12 nm.

Claim 42 (New): The transparent coated substrate according to claim 39, wherein a light transmission of the coated transparent substrate is between 30 and 55%, and the transparent substrate comprises at least one feature selected from the group consisting of (F), (G) and (H):

- (F) a light reflection with respect to the coated layer side (LR_c) of the coated transparent substrate is between 10 and 20%,
- (G) a light reflection with respect to the non coated side (LR_v) of the coated transparent substrate is between 10 and 18%,
- (H) a total thickness of the infrared reflective layers is between 18 and 35 nm.